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18.1 Overview

This chapter addresses the design of foundations to support marine structures. Such structures include dolphins, wing walls, wharfs, terminal structures and docks, pedestrian ramps, and terminal buildings. Other than the pedestrian ramps and terminal buildings, these structures must handle ship impact loads and wave loads. While this may affect the load groups required, the foundation designs and resistance factors required are the same as for other transportation facilities. Therefore, **WSDOT GDM Chapter 8** shall be used for foundation design for marine structures, other than for terminal buildings, in which case the **IBC (2003)** should be used as the basis for foundation design.

18.2 References

International Code Council, Inc. (2002). 2003 International Building Code. Country Club Hills, IL.

